

Title (en)
MOULDBLE COMPOSITION

Publication
EP 0441607 A3 19930107 (EN)

Application
EP 91300962 A 19910206

Priority
JP 2684690 A 19900206

Abstract (en)
[origin: EP0441607A2] Mouldable compositions comprising metallic powder and/or ceramic powder, mixed an organic binder are disclosed, which comprises an ether polyamine of the formula (1) and/or a primary amine of the formula (2) : $X_{<1>} \text{---} (A_{<1>} \text{---} O)_n \text{---} A_{<2>} \text{---} X_{<2>}]_m$ (1) $R \text{---} (O \text{---} A)_r \text{---} NH_2$ (2) wherein $A_{<1>}$ and $A_{<2>}$ are alkylene groups or aryl-substituted alkylene groups; $X_{<1>}$ is a residue of an active hydrogen atom-containing compound having at least 2 active hydrogen atoms; n is at least 1; m is 2 - 8; and $X_{<2>}$ is an amino group represented by <CHEM> wherein $R_{<1>}$ and $R_{<2>}$ are hydrogen atom, alkyl groups or groups of the formula : $\text{---} (A_{<3>} \text{---} O)_k \text{---} R_{<3>}$, wherein $A_{<3>}$ is an alkylene group, $R_{<3>}$ is hydrogen atom or an alkyl group and k is at least 1; R is hydrogen atom or an alkyl groups containing 1 - 30 carbon atoms, A is an alkylene group containing 1 - 4 carbon atoms, and r is an integer of at least 1.

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C08L 71/02; **C08L 59/00**; **C08K 3/00**; **C08K 3/08**; **B22F 1/00**; **C04B 35/00**

IPC 8 full level
C04B 35/632 (2006.01); **B22F 1/10** (2022.01); **B22F 1/103** (2022.01); **B22F 3/02** (2006.01); **B22F 3/10** (2006.01); **B22F 3/22** (2006.01); **C08G 65/333** (2006.01); **C08K 3/08** (2006.01); **C08K 3/14** (2006.01)

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B22F 1/10 (2022.01 - EP US); **B22F 1/103** (2022.01 - EP US); **B22F 3/225** (2013.01 - EP US); **C08G 65/333** (2013.01 - EP US); **C08K 3/08** (2013.01 - EP US); **C08K 3/14** (2013.01 - EP US); **B22F 2998/00** (2013.01 - EP US)

Citation (search report)

- [YD] EP 0329475 A2 19890823 - SANYO CHEMICAL IND LTD [JP]
- [Y] US 4370463 A 19830125 - SCHAFER ROBERT J
- [A] US 3929476 A 19751230 - KIRBY JR RUSSELL B, et al
- [A] US 4456713 A 19840626 - FRENCH KENNETH W [US], et al
- [A] EP 0265839 A2 19880504 - CALP CORPORATON [JP]
- [A] DATABASE WPIL Derwent Publications Ltd., London, GB; DATABASE WPIL, accession no. 88317772, week 45; & JP - A - 63233039 (SANYO CHEM IND LTD)
- [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 177 (M-960), 09.04.1990; & JP - A - 2030701 (SANYO CHEM IND)

Cited by
DE19652223A1; DE19652223C2; DE102006004622A1; DE102006004622B4; EP3078437A1

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